



U.S. Department
of Transportation

Research and
Special Programs
Administration

400 Seventh Street, S.W.
Washington, D.C. 20590

MAY 11 2004

DOT-E 7823
(ELEVENTH REVISION)

EXPIRATION DATE: November 30, 2005

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Honeywell International, Inc.
Morristown, NJ

(See Appendix A to this document for a list of additional grantees)

2. PURPOSE AND LIMITATION:

- a. This exemption authorizes the transportation in commerce of the materials listed in paragraph 6 below, in non-DOT specification cylinders conforming to DOT Specification 4BW, except as specified herein. This exemption provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.

- b. The safety analyses performed in development of this exemption only considered the hazards and risks associated with transportation in commerce.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.205 and 176.3 in that non-DOT specification cylinders are not authorized, except as specified herein.
5. BASIS: This exemption is based on the application of Honeywell International, Inc., dated March 15, 2004, submitted in accordance with § 107.109.

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6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Antimony pentafluoride	8	UN1732	II
Flammable liquid, toxic, corrosive, n.o.s. (Boron trifluoride diethyl etherate)	3	UN3286	II
Iodine pentafluoride	5.1	UN2495	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a non-DOT specification welded stainless steel cylinder having a water capacity of 1,000 pounds, service pressure 240 psig, outside diameter 30 inches, minimum sidewall thickness .250 inches and minimum head thickness .225 inches. The cylinder must be in accordance with drawing 54-351-57-1 Revision 2, dated February 21, 1978, on file with the Office of Hazardous Materials Exemptions and Approvals (OHMEA), and must conform with DOT Specification 4BW (§§ 178.35 and 178.61) except as follows:

§ 178.61(b) *Authorized steel.*

Steel must be type 316, 316L or 304L, stainless.

§ 178.61(h) *Openings in cylinders.*

Add

(5) Safety relief devices are prohibited.

§ 178.61(j) *Physical tests.*

Add

(4) As an alternative, specimen may be taken from a formed head and welded ring made from the same material and heat treated to the same conditions as the represented lot.

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§178.61(1) *Test of welds.*

* * *

(a) A specimen must be cut from one cylinder of each lot of 200 or less or as an alternate, a specimen may be cut from a formed head and welded ring made from the same material and heat-treated to the same conditions as the representative lot. The specimen must be taken across the longitudinal seam and prepared and tested in accordance with and must meet the requirements of CGA Pamphlet C-3.

* * * * *

§ 178.35(f)(1)(i) *Marking.*

Cylinders are to be marked "DOT-E 7823" instead of "DOT-4BW" followed immediately by the service pressure: for example:

"DOT-E 7823-240".

b. TESTING - Each cylinder must be reinspected and hydrostatically retested every 5 years in accordance with § 180.205 as prescribed for DOT Specification 4BW cylinders.

8. SPECIAL PROVISIONS:

a. A person who is not a holder of this exemption who receives a package covered by this exemption may reoffer it for transportation provided no modification or change is made to the package or its contents and it is reoffered for transportation in conformance with this exemption and the HMR.

b. A current copy of this exemption must be maintained at each facility where the package is offered or reoffered for transportation.

c. Each valve outlet must be sealed by a threaded cap or a threaded plug.

d. Cylinder valves must be protected as specified for corrosive gases in § 173.301(h).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.

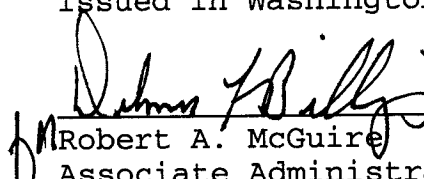
10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel used to transport packages covered by this exemption.
11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this exemption and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:
- o All terms and conditions prescribed in this exemption and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
 - o Persons operating under the terms of this exemption must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
 - o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this exemption must receive training on the requirements and conditions of this exemption in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this exemption, including display of its number, when the exemption has expired or is otherwise no longer in effect.

12. REPORTING REQUIREMENTS: The carrier is required to report any incident involving loss of packaging contents or packaging failure to the Associate Administrator for Hazardous Materials Safety (AAHMS) as soon as practicable. (Sections 171.15 and 171.16 apply to any activity undertaken under the authority of this exemption.) In addition, the holder(s) of this exemption must inform the AAHMS, in writing, of any incident involving the package and shipments made under the terms of this exemption.

Issued in Washington, D.C.:


Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

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(DATE)

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Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Research and Special Programs Administration, Department of Transportation, Washington, D.C. 20590.
Attention: DHM-31.

Copies of this exemption may be obtained by accessing the Hazardous Materials Safety Homepage at <http://hazmat.dot.gov/exemptions> Photo reproductions and legible reductions of this exemption are permitted. Any alteration of this exemption is prohibited.

PO: alb

The following are hereby granted party status to this exemption based on their application(s) submitted in accordance with § 107.107 or § 107.109, as appropriate:

Company Name City/State	Application Date	Issue Date	Expiration Date
Callery Chemical Company Pittsburgh, PA	Aug 19, 2002	Oct 22, 2002	Jun 30, 2004
Solvay Fluorides, LLC Houston, TX (Former Grantee: Solvay Fluorides, Inc.)	Dec 19, 2003	Jan 05, 2004	Nov 30, 2005

Robert A. McGuire
for Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety